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- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

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Image Problem Mailbox.**

https://secure.positivenetworks.net/ Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: https://secure.positivenetworks.net/



Please Login

User Name:

Password:

Login

# Admin Tool



- + Positive Networks
- Vertex Networks
  - + Accounting
  - + Alpha
  - + AT&T Managed Services
  - + Bell South
  - + Commercial Lending
  - + ComScore
  - + Corporate
  - + Customer Care
  - + Equipment Exchange
  - + Finance
  - + Human Resources
  - + Legal
  - + Marketing
  - + NetCadence
  - **Product Design**
    - ccwtest2
    - cwren
    - joecoolvertex
    - joesmith
    - Louvertex
    - testuser2
    - tophervertex
    - tophervertex1
    - tophervertex2
    - tophervertex3
    - + Sales
    - + Software Testing
    - + Sprint
    - + Systems Development
    - + Technology Services
    - + Trust
    - + UMKC

### Group Properties

Group Name:

Users: 10

Coming soon: creation date, location, description.

### Group Admins

tophervertex (Topher Wren) topher.wren@exchange.positivenetworks.net  
 topheradmin (Topher Wren) [No email address setup]  
 tophervertex1 (Topher Wren) [No email address setup]



Company: Vertex Networks > Company Properties

- + Positive Networks
  - **Vertex Networks**
    - + Accounting
    - + Alpha
    - + AT&T Managed Services
    - + Bell South
    - + Commercial Lending
    - + ComScore
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    - Product Design
      - ccwtest2
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      - joesmith
      - Louvertex
      - testuser2
      - tophervertex
      - tophervertex1
      - tophervertex2
      - tophervertex3
    - + Sales
    - + Software Testing
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    - + Systems Development
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    - + Trust
    - + UMIKC

[ Company Properties | Add Group | Send Broadcast Email | Network Entities | Queued Files ]

### Company Summary

#### Vertex Networks:

22 Groups 103 Users N/A Corp Gateways

[Online Users Report](#)

### Company Admins

evanvertex (Conway Evan) [No email address setup]



- + Positive Networks
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  - + Marketing
  - + NetCadence
  - Product Design
    - ccwtest2
    - cwren
    - jecoolvertex
    - joesmith
    - Louvertex
    - testuser2
    - tophervortex**
    - tophervortex1
    - tophervortex2
    - tophervortex3
  - + Sales
  - + Software Testing
  - + Sprint
  - + Systems Development
  - + Technology Services
  - + Trust
  - + UMKC

[ User Properties | Authentication Setup | Change Group | Delete User | Send Broadcast Email ]

User Properties		Admin Access Control	
User Name:	tophervortex	Positive Master Admin:	No
First Name:	Topher	Positive Admin for Customers:	
Middle Name:	X		Erucas
Last Name:	Wren		Sprint BWM
Company:	Vertex Networks		UMB Bank
Member of group:	Product Design		Rockhurst University
Created:	2001-10-22 09:24:04		Adams Street Partners
Created By:	cassidyvertex	Company Admin:	No
Last Modified:	2001-12-10 16:45:16	Group Admin for:	
Last Modified By:	tophervortex		Sales
Click here for more properties			Sprint
			Trust
			Legal
			Corporate
		(hold CTRL to select/deselect multiple)	
Save Changes		Reset Form	

User: tophervertex > User Properties

- + Positive Networks
- Vertex Networks
  - + Accounting
  - + Alpha
  - + AT&T Managed Services
  - + Bell South
  - + Commercial Lending
  - + ComScore
  - + Corporate
  - + Customer Care
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  - tophervertex3
  - + Sales
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  - + Sprint
  - + Systems Development
  - + Technology Services
  - + Trust
  - + UMKC

State/Province:		
Zip/Postal Code:		
Country:		United States of America
<b>Contact Numbers</b>		
Work Phone:		
Home Phone:		
Mobile Phone:		
Pager:		
<b>ISP Information</b>		
Reported ISP:		Road Runner: Kansas City (kc.rr.com)
Derived ISP:		Road Runner: Kansas City (kc.rr.com)
<b>Email Addresses</b>		
Primary Email:		Work
Work Email:		topher.wren@exchange
Home Email:		
Pager Email:		
Mobile Email:		
Save Changes		Reset Form



User: tophervertex > Policy Values

## Positive Networks

- + Positive Networks
- Vertex Networks
- + Accounting
- + Alpha
- + AT&T Managed Services
- + Bell South
- + Commercial Lending
- + ComScore
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### Policies

#### Antivirus

- Antivirus must be running while signed on ☒ Yes
- Instant response to virus infection ☒ Yes
- Update virus definitions at sign-on ☒ Yes

#### Application Distribution

- Available Applications ☒ Distributing 7 application(s)
- Client Registry Propagation ☒ 0 key(s), 2 value(s)
- Queued Files ☒ [Click to assign]

#### Authentication

- Authentication Settings ☒ Standard
- Password Complexity ☒ Eight, Numbers

#### Desktop Environment

- Bookmarks ☒ 7 Bookmarks
- Desktop Wallpaper ☒ positive.bmp, TILE, BLACK
- Shortcuts ☒ [Click to assign]

#### File Backup

Maximum Storage Size 100.00 MB



- + Positive Networks
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    - + Sales
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    - + Sprint
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    - + Technology Services
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    - + UMKC

### VPN Client: User Routes

Value may be changed and is assigned directly at this level.

Add a new subnet route:

Subnet:

Netmask:

Gateway:

☐ Disable Split Tunnel

Subnet	Netmask	Gateway	Action
10.0.0.0	255.0.0.0	USER GATEWAY	<input type="button" value="Remove"/>

☐ Value is locked



Policy Values | Policy Set Management |

Policy Sets					Policy Set Management					
Alternate Home Page					Policy Values	Create Policy Set	Modify Associations	Add Policy	Rename Policy Set	Delete Policy Set
Boston Default Policy Set										
Default System Policy Set										
Executive Default Policy Set										
Kansas City Policy Set										
Los Angeles										
Marketing Department										
McAfee Registry Values										
Radius - Dev										
Software QA policies										
Software Testing Policies										
Supervisors System Default Policy Set										
Toshiba's Policy set test										
UMB SecuID (Positive/2222)										
Vertex Networks System Default Policy Set										

Active Policy Set: Software Testing Policies

Below are the places where this policy set is associated. Modifying entries on this page will affect all associated entities.

Company-wide

☐ Policy is applied company-wide.

Groups

Associated

Customer Care

>>

Unassociated

Accounting  
Alpha  
AT&T Managed Services  
Bell South  
Commercial Lending  
ComScore  
Corporate

<<

Users

Associated

ehollister (Bell South)  
enita (Legal)  
aveitch (Sprint)  
bchvarte (Bell South)  
bethk (Technology Services)  
bill (Marketing)  
billr (Corporate)

>>

<<

Unassociated

Save Associations

User: tophervertex &gt; Reports &gt; Authentication History

## Authentication History for 12/01/2002 to 12/13/2002

[Back](#)

User	Group	Computer	IP Address	Service	Signon	Signoff	Authentication	Elapsed	Disconnect Reason
tophervertex	Product Design	n/a	209.242.113.106	WebTop	12/03/2002 16:58:13	12/03/2002 16:58:57	Successful	0 min	Inactivity
tophervertex	Product Design	n/a	209.242.113.106	WebTop	12/06/2002 13:55:03	12/06/2002 14:03:28	Successful	8 min	Inactivity
tophervertex	Product Design	n/a	209.242.113.106	WebTop	12/06/2002 15:11:11	12/06/2002 15:11:50	Successful	0 min	Inactivity
tophervertex	Product Design	n/a	209.242.113.106	WebTop	12/06/2002 15:45:45	12/06/2002 15:46:12	Successful	0 min	Inactivity
tophervertex	Product Design	n/a	209.242.113.106	WebTop	12/06/2002 16:45:59	12/06/2002 16:46:21	Successful	0 min	Inactivity
tophervertex	Product Design	TOPHER-DESK	10.1.0.19	VPN Client	12/06/2002 18:00:10	12/06/2002 18:13:09	Successful	12 min	Client Signoff
tophervertex	Product Design	n/a	209.242.113.106	WebTop	12/13/2002 12:47:03	12/13/2002 12:47:03	Successful	0 min	Inactivity

## Signon Statistics

Total VPN Signons:	1
Total Webtop Signons:	6
Total Signons:	7
Distinct Users:	1
Average VPN Session Length:	12 min
Average Webtop Session Length:	1 min
Overall Average Session Length:	3 min
VPN Man Hours:	12 min
Webtop Man Hours:	10 min
Total Man Hours:	22 min

Webtop - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address

https://webtop.positivenetworks.net/main.pl?pvwsh=f0fd87c1ca0ba8da3fd72c57bf1c401f8pvwsh=14158pvwsh=42f1c2552d8a496fafe7d51081

Positive Networks

Enabling work beyond the office

File Shares | Intranet | E-mail | Remote Desktop

Webtop

Preferences | Logout | Help

Intranet

Address:  [Go](#)

Your current homepage is:  
<http://intranet.vertexnetworks.net>

Most used bookmarks:

- [Health Center](#)
- [Positive Networks](#)
- [Jobs](#)
- [Policy Manager](#)
- [ERP system](#)

More...

E-mail

Access your E-Mail:  
[Outlook Web Access](#)

File Shares

Recently used file shares:  
(W:) [\\exchange\\vertexfiles\\](#)  
(X:) [\\exchange\\operations\\](#)

More...

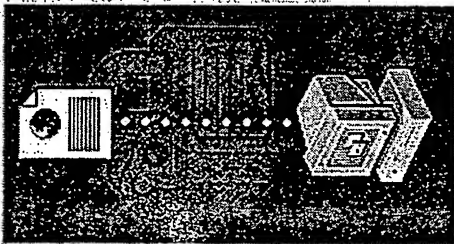
Remote Desktop

Click on a computer to connect to a remote desktop:  
[Vertex PC](#)

Install a Remote Desktop Agent [More...](#)

© 2002 Positive Networks, Inc.

Security Warning



Do you want to install and run  
"https://webtop.positivenetworks.net/WebtopActiveX.ocx"  
signed on 11/21/2002 1:26 PM and distributed by:

Positive Networks, Inc.

Publisher authentically verified by: Thawte Server CA

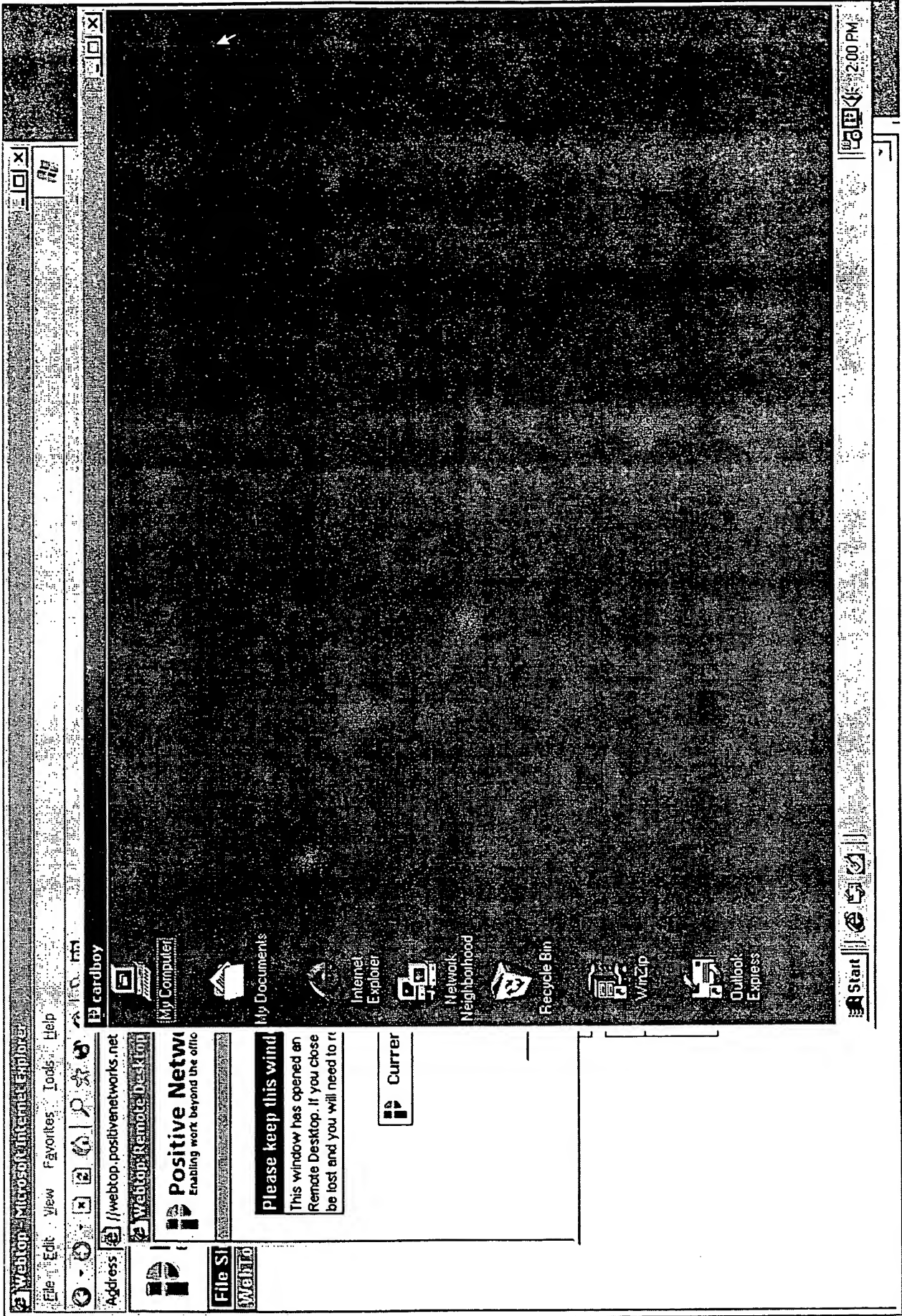
Caution: Positive Networks, Inc. asserts that this content is  
safe. You should only install/view this content if you trust  
Positive Networks, Inc. to make that assertion.

☐ Always trust content from Positive Networks, Inc.

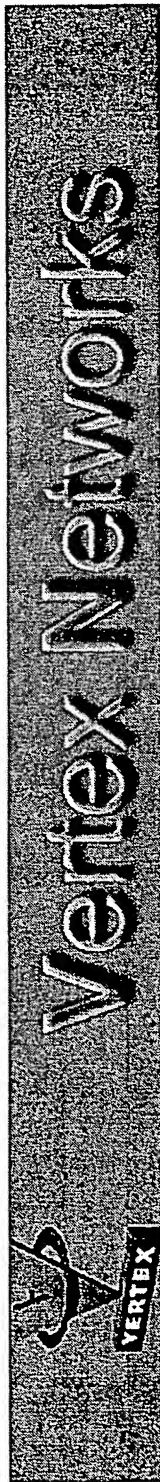
Yes

No

More Info



Address: <http://intranet.vertexnetworks.net>



Search the site:

Advanced Search

[Departments](#) | [E-mail Directory](#) | [Phone Directory](#) | [Vertex Jobs](#) | [Calendar](#)

#### FEATURED ITEMS:



#### Weather

Overland Park, KS	41-52 F
Kansas City, MO	46-55 F

#### Market Indices

DJIA	9894.81	+6.44
NASDAQ	2011.38	+9.45
S&P 100	580.37	+1.05
S&P 500	1137.07	+0.31

#### Vertex Resources

[Previews](#)

#### Vertex Newsletter

[The Vortex](#)

#### Vertex Employees

##### Hot Topics

[Exciting new topics!](#)

##### Employee Benefits

[Flex enrollment, 401\(k\) balance, more...](#)

##### Employee Forms

[Medical enrollment, Medical changes, more...](#)

##### Employee Policies

[Salary schedule, Holiday schedule, more...](#)

##### Training Opportunities

[E-Procurement, Course schedule, more...](#)

##### Professional Development

[School admin., more...](#)

##### Purchasing / Services

[Correction Enterprises, IT contracts, more...](#)

##### Personal Finances

Wednesday, December 12, 2001

##### Vertex News

[Press Releases](#), [Media References](#), [more...](#)

##### Vertex Jobs

[Job opportunities](#), [Job application](#), [more...](#)

##### PC Purchase Program

[Overview](#), [Financing](#), [more...](#)

##### Local Weather

[Nat'l weather service](#), [more...](#)

##### Profile / Recognition

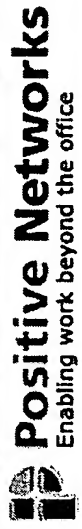
[Incentive Program](#), [more...](#)

##### Employee Supervision

[Reward employees](#), [Evaluations](#), [more...](#)

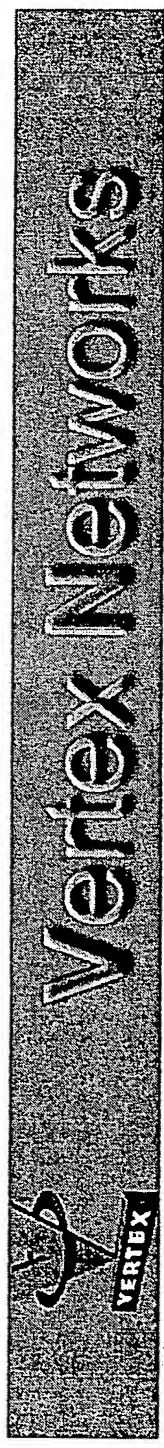
##### Vertex Document Index

[Contract Repository](#), [Retention guidelines](#), [more...](#)



File Share Browser: \exchange\vertexfiles\									
Refresh	Delete	Create Folder	Cut	Copy	Paste	Rename	Filename:	Browse...	Upload File
Name									
									Size Date Modified
cassidy									2/25/2002 11:39 PM
stuff									2/4/2002 9:31 AM
test									2/19/2002 8:26 PM
wag									1/28/2002 11:27 PM
Shortcut to homebackup.lnk									0 KB 4/15/2002 10:21 AM
tutorial.doc									24 KB 10/1/2001 9:01 PM
Vertex Networks Software QA(2).doc									29 KB 2/18/2002 10:48 AM
Vertex Networks Software QA(3).doc									25 KB 10/2/2002 10:16 PM
VertexLogo.doc									38 KB 12/1/2001 11:21 AM
Refresh	Delete	Create Folder	Cut	Copy	Paste	Rename			





Search the site:

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[Departments](#) | [E-mail Directory](#) | [Phone Directory](#) | [Vertex Jobs](#) | [Calendar](#)

Wednesday, December 12, 2001

## Vertex Employees

## FEATURED ITEMS:



**Weather**  
Overland Park, KS 41-52 F  
Kansas City, MO 46-55 F

**Market Indices**  
DJIA 9894.81 +6.44  
NASDAQ 2011.38 +9.45  
S&P 100 580.37 +1.05  
S&P 500 1137.07 +0.31

**Vertex! Resources**  
[Previews](#)

**Vertex Newsletter**  
[The Vortex](#)

## Hot Topics

[Exciting new topics!](#)

## Employee Benefits

[Flex enrollment, 401\(k\) balance, more...](#)

## Employee Forms

[Medical enrollment, Medical changes, more...](#)

## Employee Policies

[Salary schedule, Holiday schedule, more...](#)

## Training Opportunities

[E-Procurement, Course schedule, more...](#)

## Professional Development

[School admin., more...](#)

## Purchasing / Services

[Correction Enterprises, IT contracts, more...](#)

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[Press Releases](#), [Media References](#), [more...](#)

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[Job opportunities](#), [Job application](#), [more...](#)

## PC Purchase Program

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## Employee Supervision

[Reward employees](#), [Evaluations](#), [more...](#)


## Vertex Document Index

[Contract Repository](#), [Retention guidelines](#), [more...](#)



**Please keep this window open during your session**

This window has opened an encrypted connection, allowing you to browse Intranet websites. If you close this window, your Intranet connection will be lost and you will need to reestablish it to continue browsing Intranet websites.

 **Currently Connected**

Signoff

**If your website does not load:**

Some browsers do not allow or are not capable of running ActiveX controls, which is Positive Network's primary method of accessing Intranet websites. If the website you are trying to access is not loading, please [click here](#) to use our alternative method of accessing the website.

Close this window

Microsoft Outlook Web Access - Microsoft Internet Explorer

FileEditViewFavoritesToolsHelp

http://exchange.vertexnetworks.net/exchange/

Microsoft Outlook

Shortcuts

Inbox

Calendar

Contacts

Options

Folders

NewReplyReply to allForwardPrintDelete

Jason Sloderbeck: Inbox

Received

Messages

	From	Subject	Received	Size
<input type="checkbox"/>	System Administrator	Undeliverable: Testing e-mail from @vertexme	Fri 5/17/2002 4:28 PM	2 KB
<input type="checkbox"/>	System Administrator	Undeliverable: Testing e-mail from @vertexme	Fri 5/17/2002 4:26 PM	2 KB
<input checked="" type="checkbox"/>	Administrator	Delivery Status Notification (Delay)	Thu 5/16/2002 4:36 AM	31 KB
<input checked="" type="checkbox"/>	Administrator	Delivery Status Notification (Delay)	Thu 5/16/2002 4:27 AM	2 KB
<input checked="" type="checkbox"/>	System Administrator	Undeliverable: e-mail post 12lp mtu change	Sat 5/11/2002 11:05 AM	2 KB
<input checked="" type="checkbox"/>	Jason Sloderbeck	Testing build #85	Fri 5/10/2002 12:36 PM	701 B
<input checked="" type="checkbox"/>	Administrator	Delivery Status Notification (Delay)	Thu 5/9/2002 10:58 PM	2 KB
<input checked="" type="checkbox"/>	Jason Sloderbeck	jason@vertexnetworks.net	Fri 4/26/2002 1:30 PM	704 B
<input checked="" type="checkbox"/>	System Administrator	Undeliverable: test to/from jason@vertexmetv	Wed 4/17/2002 11:32 AM	1 KB
<input checked="" type="checkbox"/>	Administrator	Delivery Status Notification (Delay)	Mon 4/15/2002 11:25 PM	2 KB
<input checked="" type="checkbox"/>	Jason Sloderbeck	test to/from jason@vertexnetworks	Mon 4/15/2002 11:24 AM	1 KB
<input checked="" type="checkbox"/>	System Administrator	Undeliverable: hav	Wed 4/17/2002 10:56 AM	1 KB

From: Administrator

To: Jason Sloderbeck

Subject: Delivery Status Notification (Delay)

Cc:

This is an automatically generated Delivery Status Notification.

THIS IS A WARNING MESSAGE ONLY.

YOU DO NOT NEED TO RESEND YOUR MESSAGE.

Delivery to the following recipients has been delayed.

Jasonsloderbeck@hotmail.com

http://exchange.vertexnetworks.net/exchange/jason/inbox/Delivery Status Notification (Delay)-5.EML?Cmd=open

Internet

Address <https://webtop.positivenetworks.net/main.pl?pvwsh=f0fd87c1ca0ba8da3fd72c57bf1c401f6pvwsl=14158module=UserPrefs>

## Positive Networks

Enabling work beyond the office

### Preferences

#### Overview:

Below are a list of preferences which are available to you. Preferences which have the 'reset' link are extensions of policies set by your organization. Clicking the reset link will remove your preference settings and revert back to the value set by your organization. Items that are black instead of blue are read only and may not be changed.

#### Preference

☐ ktop wallpaper: Background Image 'positive.bmp' with TILE orientation, Background Color DARK RED

Intranet Acc s Method: Alternative

Reset

Reset

Reset

Webtop: Intranet interface: Main - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: <https://webtop.positivenetworks.net/main.php?wsh=f0f4b7c1ca0ba8da3fd72c57bf1c401f8pYwsj=1415&module=intranet>



**Positive Networks**  
Enabling work beyond the office

File Shares | Intranet | E-mail | Remote Desktop | Preferences | Logout | Help

Webtop > Intranet

#### Browse the Intranet

Address:

#### Homepage

Your current homepage is:  
<https://intranet.vertexnetworks.net>

#### Corporate Bookmarks

6 corporate bookmarks

- ☐ Positive Networks
- ☐ Policy Manager
- ☐ Positive Networks
- ☐ Vertex Web Pages
- ☐ ERP system
- ☐ Health Center
- ☐ Jobs
- ☐ Promotions

#### Personal Bookmarks

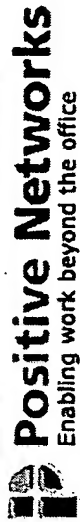
[Manage Bookmarks](#)

0 personal bookmarks

File Shares: Login - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address: <https://webtop.positivenetworks.net/main.pl?pVwsh=f0fd87c1ca0ba8da3fd72c57bf1c401f8pVwsi=14158module=FileShares>



File Shares | Intranet | E-mail | Remote Desktop | Preferences | Logout | Help

Webtop > File Shares

### File Shares

Click on a file share below to connect

File Share	Username
(W:) \\exchange\vertexfiles\	evan
(X:) \\exchange\operations\	evan

### Connect to a New File Share

Please enter the information below to access a file share

Server Address	
Share Name	
Share Username	
Share Password	
<input type="button" value="Connect"/>	

Webtop: Remote Desktop interface - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Address <https://webtop.positivenetworks.net/main.pl?pvwsl=14158pvwsl=f0fd87c1ca0ba8da3fd72c57bfc401f&module=RemoteDesktop>



File Shares | Intranet | E-mail | Remote Desktop | Preferences | Logout | Help

Webtop > Remote Desktop

### Access a Remote Desktop

Please click on a computer to connect to a Remote Desktop Agent.

Name	Last Access	Options
Vertex PC	12/13/2002 14:52 PM	[ remove ] [ rename ]

[Install a new Remote Desktop Agent](#)

### Manually Access a Remote Desktop

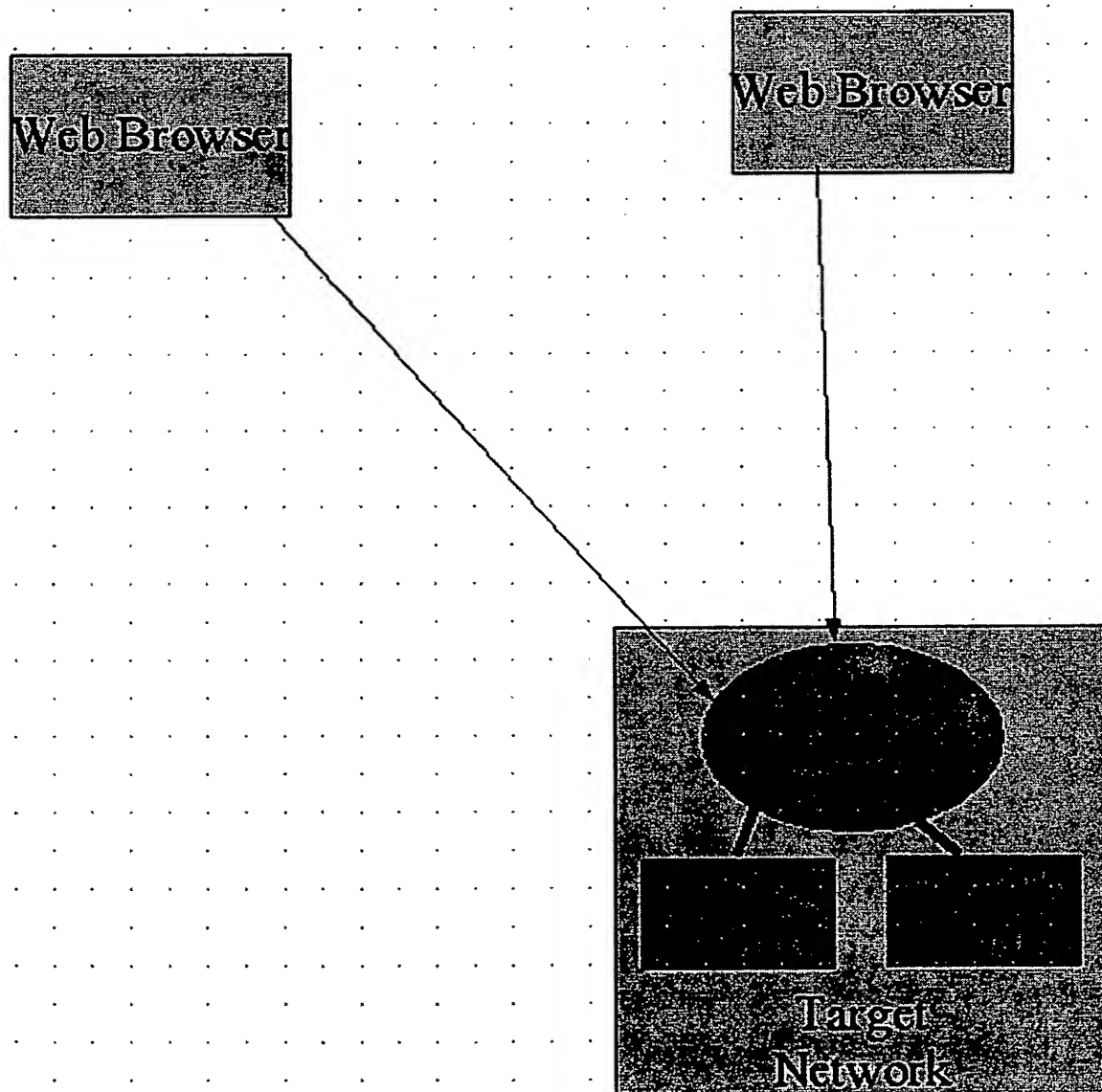
Please enter an address to connect to a Remote Desktop Agent or a VNC server.

Remote Desktop Agent address:   
(eg: desktop.intranet.com or 123.2.32.1)

Remote Desktop Agent port:

## WebTop Implementation Methodology 2

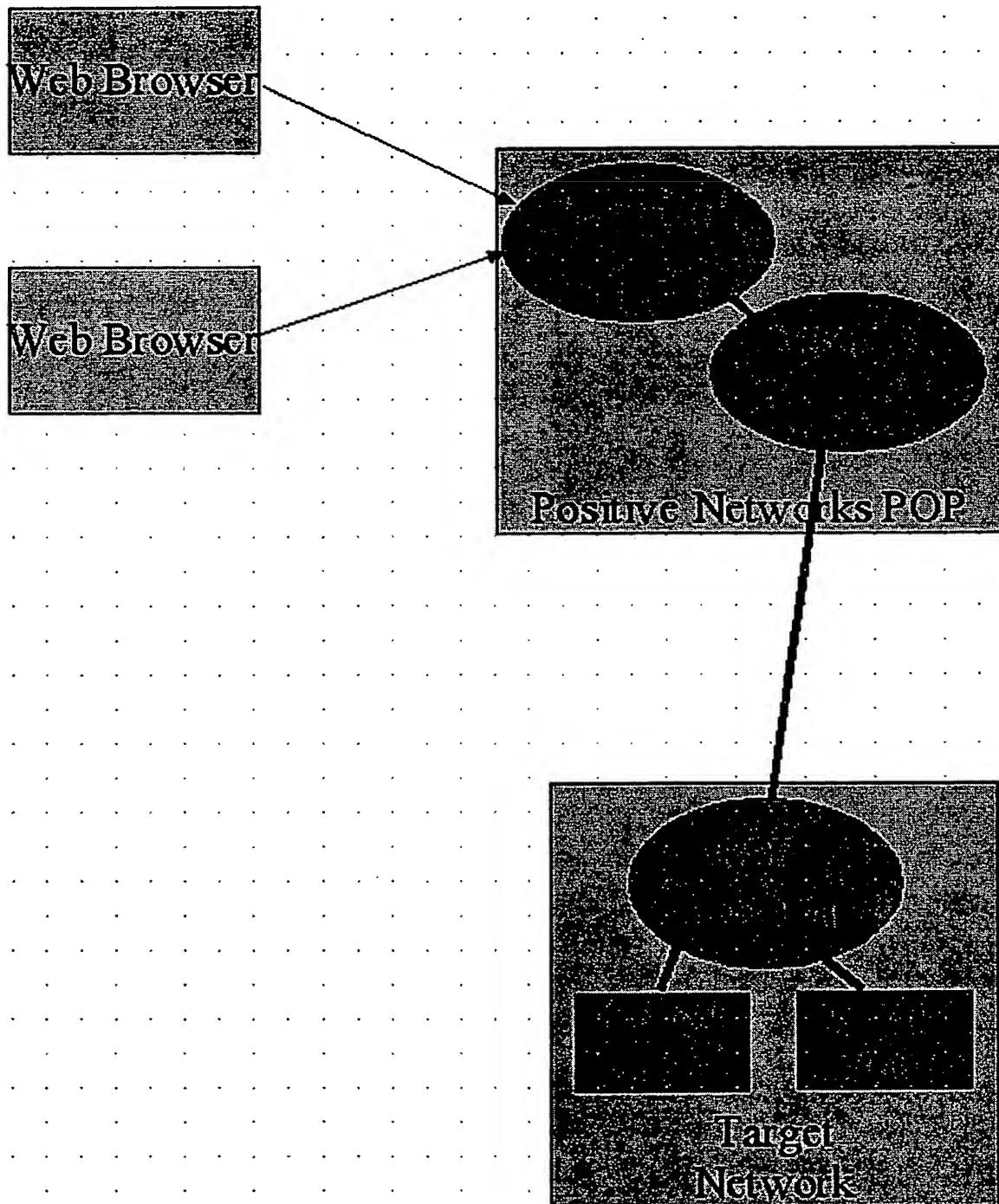
In this implementation methodology, WebTop is installed on a server computer directly inside the target network. Implemented in this way, the Positive Networks POP-based Network Architecture is not needed. The end users directly connect to the target network with their web browsers.





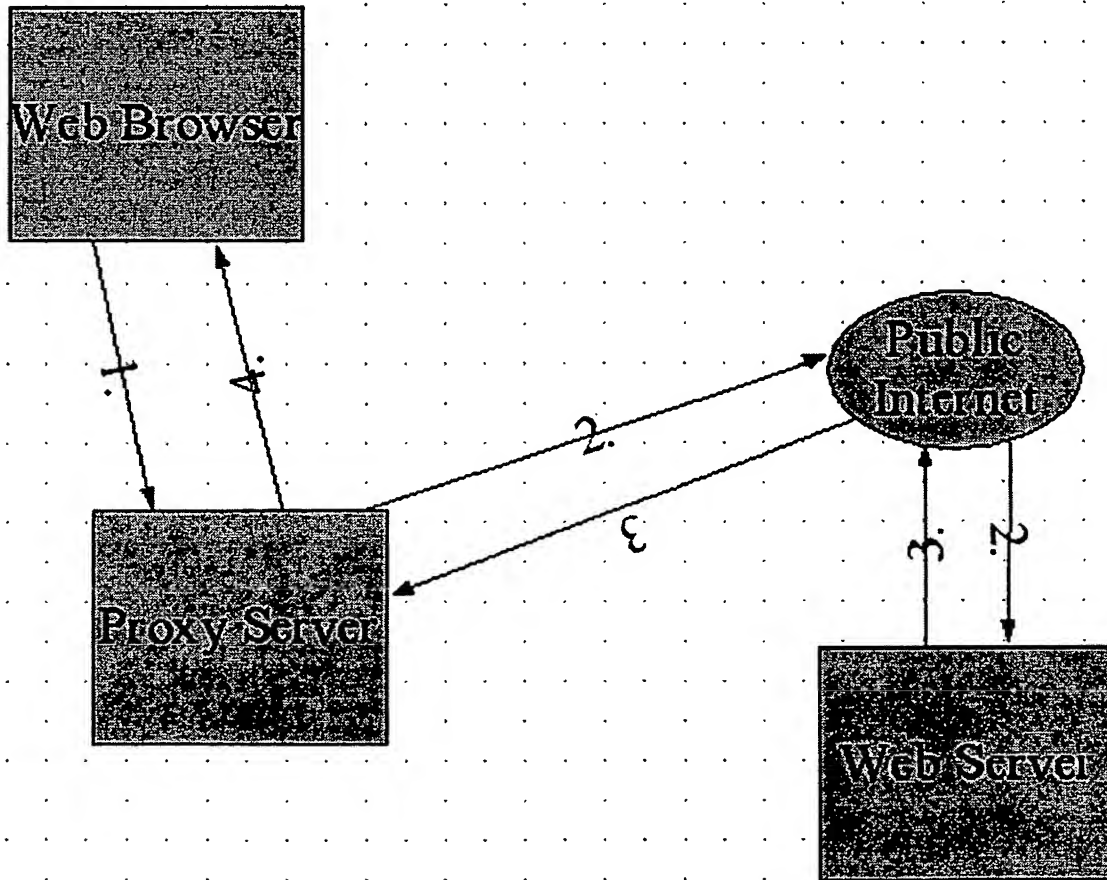
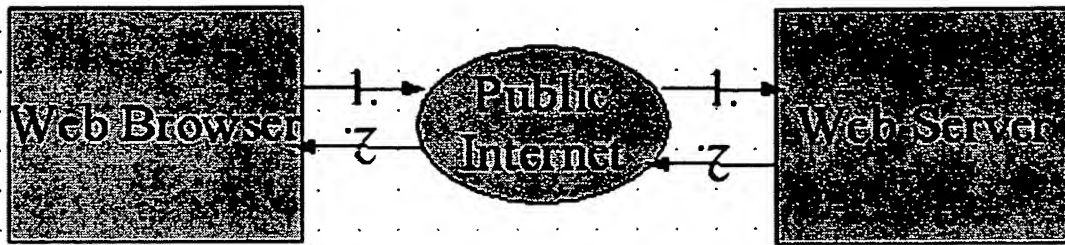
# WebTop Implementation Methodology 1

With this implementation methodology, WebTop is located at a POP. It is connected to target networks via standard Customer Connections, as described in the Network Architecture section of this document. Users connect to WebTop at a POP, which provides for all the benefits of the POP-based Architecture.

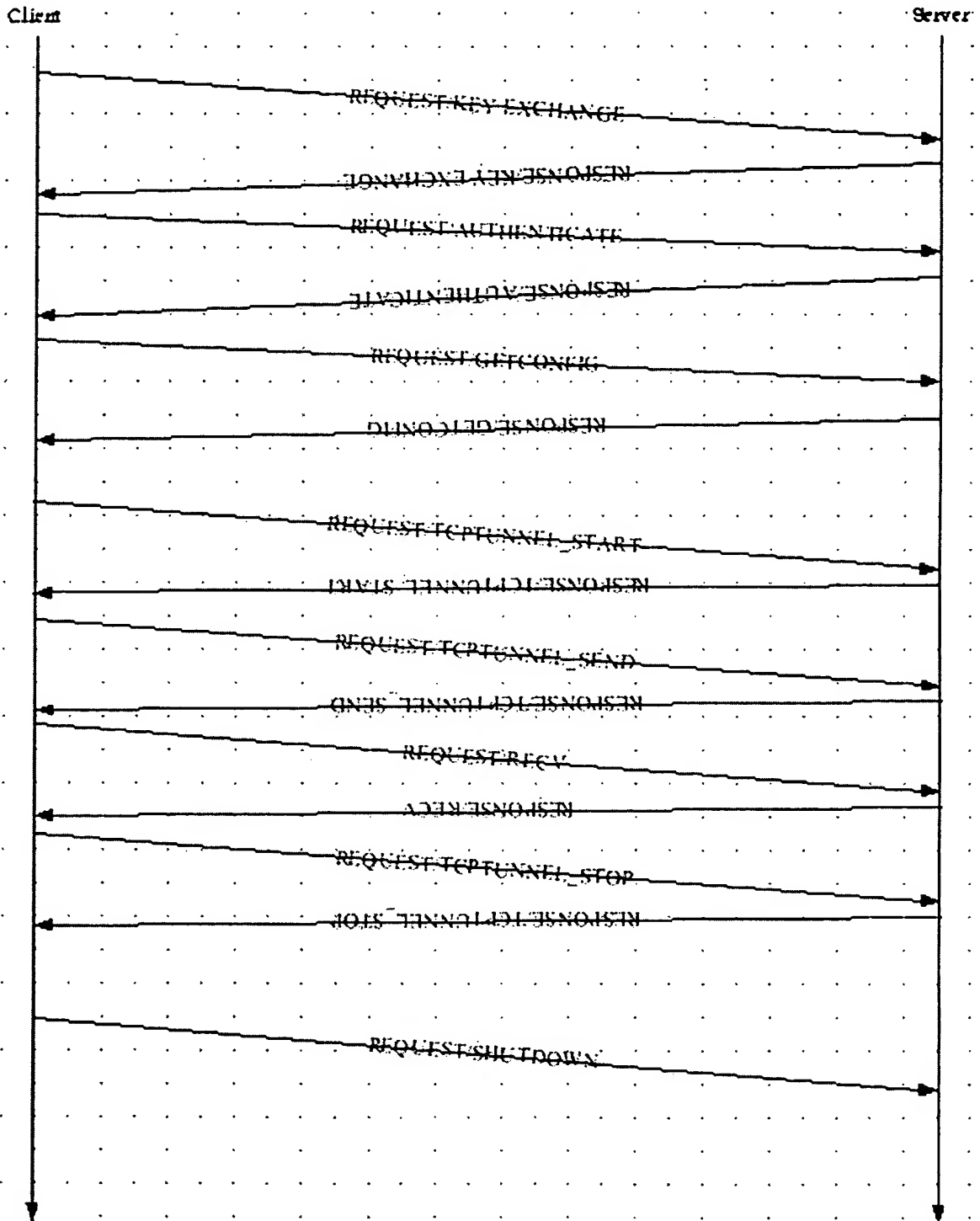




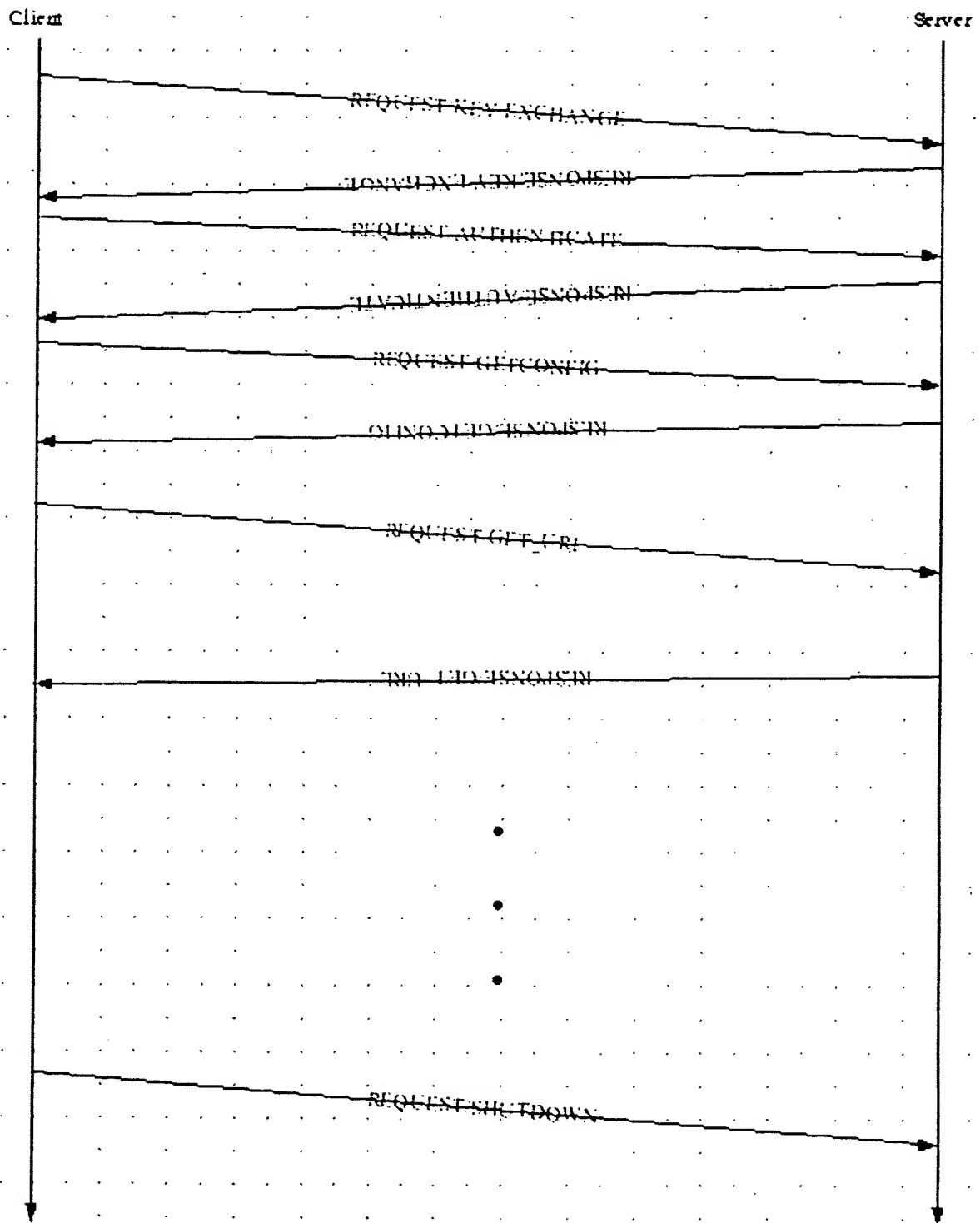
## Web Browser Connection To Web Server With And Without Intermediate Proxy Server



# WTP Protocol Flow Diagram With TCP Tunnels



# WTP Protocol Flow Diagram



# Positive Networks POP-Based Network Architecture

This implementation of the Positive Networks POP-Based Network Architecture allows for all of the benefits described in the corresponding section elsewhere in this document. WebTop and Network VPN users make direct connections to a POP, which in turn makes appropriate connections to target networks and target network resources.

